

Form PTO-1449 (modified)		Atty. Docket No. GOUD:023USD2	Serial No. 10/664,423
Office of Patents and Publications for Applicant's		Applicant Guy A. Rouleau <i>et al.</i>	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Filing Date: September 17, 2003	Group: 1649 Unknown
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DK	C73	Ahmed et al., "Primary structure, chromosomal localization, and functional expression of a voltage-gated sodium channel from human brain," Proc. Natl. Acad. Sci. USA, 89:8220-8224, 1992.
DK	C74	Lu and Brown, "Isolation of a human-brain sodium-channel gene encoding two isoforms of the subtype III α -subunit," J. Mol. Neuro., 10:67-70, 1998.

25530565.1

EXAMINER: Daniel Kolker/ (08/09/2006) **DATE CONSIDERED:** 08/09/2006

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. D cket No.

GOUD:023USD2

Serial N .

10/664,423

Applicant

Guy A. Rouleau *et al.*

Filing Date:

September 17, 2003

Group:

1649

~~Unknown~~

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
DK	A1	5,223,409	6-29-93	Ladner et al.	435	69.7	3-1-91

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
DK	B1	WO 99/21875	5-6-99	PCT			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DK	C1	Andermann, E., Genetic Basis of the Epilepsies, Raven Press, New York, pp. 355-374, 1982.
	C2	Anderson et al., "Use of cyclosporin A in establishing Epstein-Barr virus-transformed human lymphoblastoid cell lines," <i>In Vitro</i> , 20:856-858, 1984.
	C3	Annegers et al., Genetic Basis of the Epilepsies, Raven Press, New York, pp.151-159, 1982.
	C4	Baker et al., "Cell proloferation kinetics of normal and tumor tissue in vitro: quiescent reproductive cells and the cycling reproductive fraction," <i>Cell Prolif.</i> , 28:1-15, 1995.
	C5	Barker et al., "GABA actions on the excitability of cultured CNS neurons," <i>Neurosci. Lett.</i> , 47:313-318, 1984.
	C6	Bar-Sagi et al., "Negative modulation of sodium channels in cultured chick muscle cells by the channel activator batrachotoxin," <i>J. Biol. Chem.</i> , 260:4740-4744, 1985.
	C7	Baulac <i>et al.</i> , "A second locus for familial generalized epilepsy with febrile seizures plus maps to chromosome 2q21-q33," <i>Am. J. Hum. Genet.</i> , 65:1078-1085, 1999.
	C8	Baunoch et al., "R-ELISA: repeated use of antigen-coated plates for ELISA and its application for testing of antibodies to HIV and other pathogens," <i>Biotechniques</i> , 12:412-417, 1992.
	C9	Berkovic et al., "Epilepsies in twins: genetics of the major epilepsy syndromes," <i>Ann. Neurol.</i> , 43:435-445, 1998.
✓	C10	Biervert et al., "A potassium channel mutation in neonatal human epilepsy," <i>Science</i> , 279:403-406, 1998.

25349144.1

EXAMINER:/Daniel Kolker/ (08/08/2006) DATE CONSIDERED: 08/08/2006

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

GOUD:023USD2

10/664,423

List of Patents and Publications for Applicant's

Applicant

Guy A. Rouleau *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

September 17, 2003

Gr up:

1649

~~Unknown~~

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

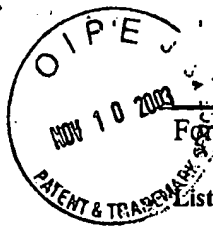
Exam. Init.	Ref. Des.	Citation
DK	C11	Bu et al., "The exon-intron organization of the genes (GAD1 and GAD2) encoding two human glutamate decarboxylases (GAD67 and GAD65) suggests that they derive from a common ancestral GAD," <i>Genomics</i> , 21:222-228, 1994.
	C12	Cardell et al., <i>Agnew. Chem. Int. Ed. Engl.</i> , 33:2061-2063, 1994.
	C13	Charlier et al., "A pore mutation in a novel KQT-like potassium channel gene in an idiopathic epilepsy family," <i>Nat. Genet.</i> , 18:53-55, 1998.
	C14	Chevion et al., "The antiproliferative activity of the tetrapeptide Acetyl-N-SerAspLysPro, an inhibitor of haematopoietic stem cell proliferation, is not mediated by a thymosin beta 4-like effect on actin assembly," <i>Cell Prolif.</i> , 29:437-446, 1996.
	C15	Chia et al., "Cytoskeletal association of an esterase in Dictyostelium discoideum," <i>Exp. Cell Res.</i> , 244:340-348, 1998.
	C16	Cho et al., "An Unnatural Biopolymer," <i>Science</i> , 261:1303-1305, 1993.
	C17	Clare et al., "Voltage-gated sodium channels as therapeutic targets," <i>Drug Discovery Today</i> , 5:506-520, 2000.
	C18	Corey et al., "The occurrence of epilepsy and febrile seizures in Virginian and Norwegian twins," <i>Neurology</i> , 41:1433-1436, 1991.
	C19	Cull et al., "Screening for receptor ligands using large libraries of peptides linked to the C terminus of the lac repressor," <i>Proc. Natl. Acad. Sci. USA</i> , 89:1865-1869, 1992.
	C20	Denyer et al., "HTS approaches to voltage-gated ion channel drug discovery," <i>Drug Discovery Today</i> , 3:323-332, 1998.
	C21	DeWitt et al., "'Diversomers': an approach to nonpeptide, nonoligomeric chemical diversity," <i>Proc. Natl. Acad. Sci. USA</i> , 90:6909-6913, 1993.
	C22	Elliot et al., "Bin1 functionally interacts with Myc and inhibits cell proliferation via multiple mechanisms," <i>Oncogene</i> , 18:3564-3573, 1999.
	C23	Elmslie et al., "Genetic mapping of a major susceptibility locus for juvenile myoclonic epilepsy on chromosome 15q," <i>Hum. Mol. Genet.</i> , 6:1329-1334, 1997.
✓	C24	Engel et al., <i>Epilepsy: A Comprehensive Textbook</i> , Lippincott-Raven, Philadelphia, 1-7 (1), 1997.

25349144.1

EXAMINER/Daniel Kolker/ (08/08/2006)

DATE CONSIDERED: 08/08/2006

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
GOUD:023USD2Serial No.
10/664,423Applicant
Guy A. Rouleau *et al.*Filing Date:
September 17, 2003Group: 1649
~~Unknown~~U.S. Patent Documents
*See Page 1*Foreign Patent Documents
*See Page 1*Other Art
See Page 1

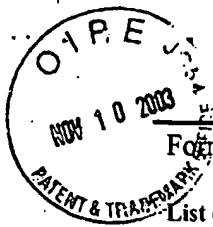
Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DK	C25	Erb et al., "Recursive deconvolution of combinatorial chemical libraries," <i>Proc. Natl. Acad. Sci. USA</i> , 91:11422-11426, 1994.
	C26	Escayg et al., "22," <i>Nat. Genet.</i> , 24:343-345, 2000. Mutations of SCN1A, encoding a neuronal sodium channel, in two families with GEFS+
	C27	Fodor et al., "Multiplexed biochemical assays with biological chips," <i>Nature</i> , 364:555-556, 1993.
	C28	Gallop et al., "Applications of combinatorial technologies to drug discovery. 1. Background and peptide combinatorial libraries," <i>J. Med. Chem.</i> , 37:1233-1251, 1994.
	C29	Gonzalez et al., "Cell-based assays and instrumentation for screening ion-channel targets," <i>Drug Discovery Today</i> , 4:431-439, 1999.
	C30	Gonzalez et al., "Modification of tau to an Alzheimer's type protein interferes with its interaction with microtubules," <i>Cell. Mol. Biol.</i> , 44:1117-1127, 1998.
	C31	Greenberg et al., "Juvenile myoclonic epilepsy (JME) may be linked to the BF and HLA loci on human chromosome 6," <i>Am. J. Med. Genet.</i> , 31:185-192, 1988.
	C32	Guipponi et al., "Linkage mapping of benign familial infantile convulsions (BFIC) to chromosome 19q," <i>Hum. Mol. Genet.</i> , 6:473-477, 1997.
	C33	Gyapay et al., "The 1993-94 Genethon human genetic linkage map," <i>Nat Genet.</i> 7:246-339, 1994.
	C34	Hamill et al., "Improved patch-clamp techniques for high-resolution current recording from cells and cell-free membrane patches," <i>Pflügers Archiv.</i> , 391:85-100, 1981.
	C35	Hu et al., "alpha1-Adrenergic receptor stimulation of mitogenesis in human vascular smooth muscle cells: role of tyrosine protein kinases and calcium in activation of mitogen-activated protein kinase," <i>Journ. Pharmacology Experimental therapeutics</i> , 290:28-37, 1999.
	C36	Kawai et al., "Death-associated protein kinase 2 is a new calcium/calmodulin-dependent protein kinase that signals apoptosis through its catalytic activity," <i>Oncogene</i> , 18:3471-3480, 1999.
	C37	Komada et al., "Hrs, a FYVE finger protein localized to early endosomes, is implicated in vesicular traffic and required for ventral folding morphogenesis," <i>Genes & Dev.</i> , 13:1475-1485, 1999.
✓	C38	Lam et al., "A new type of synthetic peptide library for identifying ligand-binding activity," <i>Nature</i> , 354:82-84, 1991.

25349144.1

EXAMINER: /Daniel Kolker/ (08/08/2006) DATE CONSIDERED: 08/08/2006

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

GOUD:023USD2

10/664,423

List of Patents and Publications for Applicant's

Applicant

Guy A. Rouleau *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

September 17, 2003

Group:

1649

~~Unknown~~

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DK	C39	Lam, K.S., "Application of combinatorial library methods in cancer research and drug discovery," <i>Anti-Cancer Drug Design</i> , 12:145-167, 1997.
	C40	Lanthrop et al., "Easy calculations of lod scores and genetic risks on small computers," <i>Am. J. Genet.</i> , 36:460-465, 1984.
	C41	Lennox et al., <i>Epilepsy and related disorders</i> , Little Brown, pp. 532-574, 1960.
	C42	Leppert et al., "Benign familial neonatal convulsions linked to genetic markers on chromosome 20," <i>Nature</i> , 337:647-648, 1989.
	C43	Lewis et al., "Genetic heterogeneity in benign familial neonatal convulsions: identification of a new locus on chromosome 8q," <i>Am. J. Hum. Genet.</i> , 53:670-675, 1993.
	C44	Liu, L., "Calcium-dependent self-association of annexin II: a possible implication in exocytosis," <i>Cell. Signal.</i> , 11:317-324, 1999.
	C45	Malo <i>et al.</i> , "Localization of a putative human brain sodium channel gene (SCN1A) to chromosome band 2q24," <i>Cytogenet. Cell Genet.</i> , 67:178-186, 1994.
	C46	Malo <i>et al.</i> , "Targeted gene walking by low stringency polymerase chain reaction: assignment of a putative human brain sodium channel gene (SCN3A) to chromosome 2q24-31," <i>Proc. Natl. Acad. Sci., USA</i> , 91:2975-2979, 1994.
	C47	McConnell et al., "The cytosensor microphysiometer: biological applications of silicon technology," <i>Science</i> , 257:1906-1912, 1992.
	C48	McPhee et al., "A critical role for the S4-S5 intracellular loop in domain IV of the sodium channel alpha-subunit in fast inactivation," <i>J. Biol. Chem.</i> , 273:1121-1129, 1998.
	C49	Miyaji-Yamaguchi et al., "Coiled-coil structure-mediated dimerization of template activating factor-I is critical for its chromatin remodeling activity," <i>Journal of Mol. Biol.</i> , 290:547-557, 1999.
	C50	Morvan et al., "alpha-DNA. I. Synthesis, characterization by high field 1H-NMR, and base-pairing properties of the unnatural hexadeoxyribonucleotide alpha-[d(CpCpTpTpCpC)] with its complement beta-[d(GpGpApApGpG)].," <i>Nucleic Acids Research</i> , 14:5019-5035, 1986.
↓	C51	Moulard <i>et al.</i> , "Identification of a new locus for generalized epilepsy with febrile seizures plus (GEFS+) on chromosome 2q24-q33," <i>Am. J. Hum. Genet.</i> , 65:1396-1400, 1999.

25349144.1

EXAMINER/Daniel Kolker/ (08/08/2006) DATE CONSIDERED: 08/08/2006

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

GOUD:023USD2

Serial No.

10/664,423

Applicant

Guy A. Rouleau *et al.*

Filing Date:

September 17, 2003

Group:

1649

~~Unknown~~

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DK	C52	Muir et al., "Phase II clinical trial of sipatrigine (619C89) by continuous infusion in acute stroke," <i>Cerebrovascular Diseases</i> , 10:431-436, 2000.
	C53	Nakashima et al., "Signaling pathways for tumor necrosis factor-alpha and interleukin-6 expression in human macrophages exposed to titanium-alloy particulate debris in vitro," <i>J. Bone Joint Surg. Am.</i> , 81:603-615, 1999.
	C54	Nielsen, P.E., "Applications of peptide nucleic acids," <i>Curr. Opin. Biotechnol.</i> , 10:71-75, 1999.
	C55	Okuwaki et al., "Template activating factor-I remodels the chromatin structure and stimulates transcription from the chromatin template," <i>J. Biol. Chem.</i> , 273:34511-34518, 1998.
	C56	Ottaman et al., "4 Localization of a gene for partial epilepsy to chromosome 10q," <i>Nat. Genet.</i> , 10:56-60, 1995.
	C57	Ottaman et al., "Segregation analysis of cryptogenic epilepsy and an empirical test of the validity of the results," <i>Am. J. Hum. Genet.</i> , 60:667-675, 1997.
	C58	Ottman et al., "Seizure risk in offspring of parents with generalized versus partial epilepsy," <i>Epilepsia</i> , 30:157-161, 1989.
	C59	Plummer and Meisler, "Evolution and diversity of mammalian sodium channel genes," <i>Genomics</i> , 57:323-331, 1999.
	C60	Pugsley et al., "Effects of bisaramil, a novel class I antiarrhythmic agent, on heart, skeletal muscle and brain Na ⁺ channels," <i>Eur. J. Pharmacol.</i> , 342:93-104, 1998.
	C61	Schroeder et al., "Moderate loss of function of cyclic-AMP-modulated KCNQ2/KCNQ3 K ⁺ channels causes epilepsy," <i>Nature</i> , 396:687-690, 1998.
	C62	Scott et al., "Searching for peptide ligands with an epitope library," <i>Science</i> , 249:386-390, 1990.
	C63	Sillampää et al., "Genetic factors in epileptic seizures: evidence from a large twin population," <i>Acta Neurol. Scand.</i> , 84:523, 1991.
	C64	Singh et al., "A novel potassium channel gene, KCNQ2, is mutated in an inherited epilepsy of newborns," <i>Nat. Genet.</i> , 18:25-29, 1998.
✓	C65	Sjolander et al., "Integrated fluid handling system for biomolecular interaction analysis," <i>Anal. Chem.</i> , 63:2338-2345, 1991.

25349144.1

EXAMINER/Daniel Kolker/ (08/08/2006)

DATE CONSIDERED: 08/08/2006

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

GOUD:023USD2

Serial No.

10/664,423

Applicant

Guy A. Rouleau *et al.*

Filing Date:

September 17, 2003

Group:

1649

~~Unknown~~

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DK	C66	Steinlein et al., "A missense mutation in the neuronal nicotinic acetylcholine receptor alpha 4 subunit is associated with autosomal dominant nocturnal frontal lobe epilepsy," <i>Nat. Genet.</i> , 11:201-203, 1995.
	C67	Szabo et al., "Surface plasmon resonance and its use in biomolecular interaction analysis (BLA)," <i>Curr. Opinion, Struct. Biol.</i> , 5:699-705, 1995.
	C68	Tamaskovic et al., "Enzyme-linked immunosorbent assay for the measurement of JNK activity in cell extracts," <i>Biological Chemistry</i> , 380:569-578, 1999.
	C69	Taylor et al., "Enzyme-linked immunosorbent assay for the measurement of JNK activity in cell extracts," <i>Adv. Pharmacol.</i> , 39:47-98, 1997.
	C70	Wallace et al., "Febrile seizures and generalized epilepsy associated with a mutation in the Na ⁺ -channel beta1 subunit gene SCN1B," <i>Nature Genet.</i> , 19:366-370, 1998.
	C71	Zuchermann et al., "Discovery of nanomolar ligands for 7-transmembrane G-protein-coupled receptors from a diverse N-(substituted)glycine peptoid library," <i>J. Med. Chem.</i> , 37:2678-2685, 1994.
↓	C72	Commission on classification and terminology of the international league against epilepsy, <i>Epilepsia</i> , 30:389-399, 1989.

25349144.1

EXAMINER: /Daniel Kolker/ (08/08/2006) DATE CONSIDERED: 08/08/2006

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)